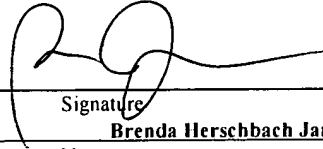


TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 2004117-0024 (NEMC-284 US)
		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) To be assigned 10/577341
INTERNATIONAL APPLICATION NO. PCT/US2004/035929	INTERNATIONAL FILING DATE October 29, 2004	PRIORITY DATE CLAIMED October 20, 2003
TITLE OF INVENTION Prenatal Diagnosis Using Cell-Free Fetal DNA in Amniotic Fluid		
APPLICANT(S) FOR DO/EO/US D. Bianchi, et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). Publication WO 2005/044086 A2 (110 pages, including front page) b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)). <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendment has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. (c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). <p>Items 11 to 20 below concern document(s) or information included:</p> <ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98 and Form PTO-1449 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment (3 pages) 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> <input type="checkbox"/> Cited Art (10 references) <input checked="" type="checkbox"/> International Search Report (7 pages) </div> <div> <input checked="" type="checkbox"/> Certificate of Express Mailing (1 page) <input checked="" type="checkbox"/> Return Postcard </div> </div> 		

U.S. APPLICATION NO. (if known, see 37 CFR 1.51) 10/577341		INTERNATIONAL APPLICATION NO. PCT/US2004/014175		ATTORNEY'S DOCKET NUMBER 2004117-0024 (NEMC-284-US)	
21. The following fees are submitted:				Applicant use	Office use only
<input checked="" type="checkbox"/> a) Basic national fee \$150.00				\$150.00	
<input checked="" type="checkbox"/> b) Examination fee..... \$100.00				\$ 100.00	
<input checked="" type="checkbox"/> c) Search fee \$250.00				\$ 250.00	
TOTAL OF ABOVE CALCULATIONS = \$500.00				\$500.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$125 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
110 - 100 =	10/50 =	0.2	x \$125.00	\$ 25.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).				\$-	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	212 - 20 =	192	192 x \$25.00	\$4,800.00	
Independent claims	4 - 3 =	1	1 x \$100.00	\$ 100.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable) Yes			\$180.00	\$ 180.00	
TOTAL OF ABOVE CALCULATIONS =				\$5105.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ -	
SUBTOTAL =				\$5,605.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f))				\$ -	
TOTAL NATIONAL FEE =				\$5,605.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ -	
TOTAL FEES ENCLOSED =				\$5,605.00	
Amount to be refunded					\$
Amount to be charged					\$
a. <input checked="" type="checkbox"/> A Credit Card Payment Form authorizing payment of filing fee in the amount of \$5,605.00 is enclosed (1 page).					
b. <input type="checkbox"/> Please charge my Deposit Account No. 03-1721 in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 03-1721 . A duplicate of this sheet is enclosed.					
d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:					
Patent Group Choate, Hall & Stewart LLP Two International Place Boston, Massachusetts 02110 Dated: April 28, 2006					
			 Signature Brenda Herschbach Jarrell, Ph.D. Name 39,223 Registration Number		

IAP12 Rec'd PCT/PTO 28 APR 2006

ATTORNEY DOCKET No.: 2004117-0024 (NEMC-284 US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: D. Bianchi, *et al.* **Examiner:** To be assigned
Serial No.: N.Y.A. **Group Art Unit:** To be assigned
Filing Date: April 28, 2006
Corresp. to: PCT/US2004/035929
International Filing Date: October 29, 2004
Earliest Priority: 60/515,735 filed October 20, 2003
Title: Prenatal Diagnosis Using Cell-Free Fetal DNA in Amniotic Fluid

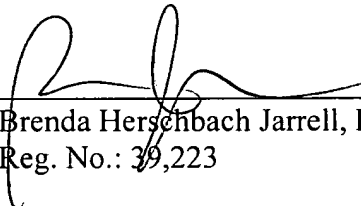
Mail Stop: PCT
Commissioner For Patents
P. O. Box 1450
Alexandria, VA 22313

Sir:

CERTIFICATE OF EXPRESS MAILING

I hereby certify that the foregoing documents are being deposited with the United States Postal Service as "*Express Mail Post Office to Addressee*" service under 37 C.F.R. 1.10 in an envelope addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date of April 28, 2006.

Dated: April 28, 2006


Brenda Herschbach Jarrell, Ph.D.
Reg. No.: 39,223Express Mail No.: EL993746097US